



# Product Evaluation

DR846 | 0417

Engineering Services Program

*The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).*

*This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.*

*This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.*

*For more information, contact TDI Engineering Services Program at (800) 248-6032.*

**Evaluation ID:** DR-846

**Effective Date:** April 1, 2017

**Re-evaluation Date:** March 2021

**Product Name:** Clad Aluminum Outswing French Side Hinged Door StormPlus IZ3 6080, Impact Resistant

**Manufacturer:** Marvin Windows and Doors  
PO Box 100  
Highway 11 West  
Warroad, MN 56763  
281-386-4021

## General Description:

System	Description	Label Rating	Design Pressure Rating
1	Clad Ultimate Outswing French Door StormPlus IZ3 6080 407-H-660 (OX)	LC-PG55 72.6 x 95.5	+55/-65 psf
2	Clad Ultimate Outswing French Door StormPlus IZ3 6080 407-H-660 (XX)	LC-PG55 72.6 x 95.5	+55/-65 psf

## Product Dimensions:

System	Overall Size	Door Panel Size	Door Daylight Opening Size
1	72-5/8" x 95-1/2"	35-1/16" x 92-1/2"	25-5/8" x 79-5/8"
2	72-5/8" x 95-1/2"	35-1/16" x 92-1/2"	25-5/8" x 79-5/8"

**Components and Hardware:**

System	Component	Quantity	Attachment Method
1	Adjustable Hinges, or Butt Hinges	3	From top of the sill locate one at 6-1/8", one at 44-3/8" and one at 82-5/8".
	Multi-Point with Deadbolt Part No. 05700130	1	Locate lock handle and deadbolt at 37-1/2" from the sill with head and foot bolts extending 7/8" above, and 1-3/8" below the panel when engaged.
	Sill Strike Reinforcement Part No. 10148005	2	One on top of each sill strike.
	Sill Strike Backer Plate Part No. 10148006	2	One below each sill strike inside of sill.
2	Adjustable Hinges	3	From top of the sill locate one at 6-1/8", one at 44-3/8" and one at 82-5/8".
	(Active Panel) Multi-Point with Deadbolt Part No. 05700130	1	Locate lock handle and deadbolt at 37-1/2" from the sill with head and foot bolts extending 7/8" above, and 1-3/8" below the panel when engaged.
	(Inactive Panel) Multi-Point with Deadbolt Part No. 05700131	1	Locate lock handle and deadbolt at 37-1/2" from the sill with head and foot bolts extending 7/8" above, and 1-3/8" below the panel when engaged.
	Sill Strike Reinforcement Part No. 10148005	2	One on top of each sill strike.
	Sill Strike Backer Plate Part No. 10148006	2	One below each sill strike inside of sill.

**Product Identification (Certification Label on Door):**

System		
1	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Marvin Windows and Doors
	Product Name	C Ult Outswing French Door IZ3 (OX)
	Test Standards	AAMA/WDMA/CSA/101/I.S.2/A440-08 AAMA/WDMA/CSA/101/I.S.2/A440-11 ASTM E1886-05 / ASTM E1996-12 Missile D, Wind Zone 3
2	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Marvin Windows and Doors
	Product Name	C Ult Outswing French Door IZ3 (XX)
	Test Standards	AAMA/WDMA/CSA/101/I.S.2/A440-08 AAMA/WDMA/CSA/101/I.S.2/A440-11 ASTM E1886-05 / ASTM E1996-12 Missile D, Wind Zone 3

**Impact Resistance:**

System	Impact Resistant	Requirement
1,2	Yes	These products satisfy TDI's criteria for protection from windborne debris in the Inland I and Seaward zone. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

**Acceptance of Smaller Assemblies:** Door assemblies with dimensions equal to or smaller than those specified are acceptable within the limitations specified in this report.

**Installation:**

System				
1,2	Type of Installation	New Construction		
	Wall Framing	Spruce-Pine-Fir		
	Fasteners	#8 x 3" / #10 x 3" / #8 x 5/8" / #10 x 2-1/2" Structural Brackets / Construction Adhesive		
	Fastener Location/Spacing	Jambs and Head Jamb	Structural Brackets or #8 x 3"	Brackets spaced 6" from corners and 15" on center. Brackets fastened to the unit with two #8 x 5/8" screws and to the buck with four #8 x 1-1/2" screws. Or: #8 x 3". Through the frame spaced 6" from corners and 12" on center.
		Sill	#10 x 3"	Three screws through the sill liner into the buck at midspan of the sill.
		Sill	Adhesive	Set onto a bed of construction adhesive.
		Hinge	#10 x 2-1/2"	One screw installed in each hinge into the wall framing.
	Fastener Embedment	Minimum of 1-1/2" into the wall framing.		

**Note:** Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.